

19971104.qrp v00_n899.qrs.971104

Date: Tue, 4 Nov 1997 19:06:32 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 899

QRP-L Digest 899

Topics covered in this issue include:

- 1) [30207] SS97
by Monte Stark <ku7y@sage.dri.edu>
- 2) [30208] Re: 2N2222 Audio amp, ClassA for earbuds
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 3) [30208] Re: cw filter
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 4) [30209] RE: How do I protect my HB projects with a diode??
by "chuck munce" <k0gjx@classic.msn.com>
- 5) [30209] RE: Coax VS Ladder Line feed = and a problem
by ARDUJENSKI <ARDUJENSKI@aol.com>
- 6) [30209] SS97 Again!
by Monte Stark <ku7y@sage.dri.edu>
- 7) [30209] DeMaw N. blanker a 50dB hit
by MNHopkins@aol.com
- 8) [30209] HW-7 Manual needed
by Cleve Irby <cirby@bellsouth.net>
- 9) [30209] Attic Antennas, Continued
by Mike Martin <mmartin@internetni.com>
- 10) [30209] Re: [30152] 2 element beam reversal
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 11) [30209] QRP to VT
by Joel Malman <malman@BBN.COM>
- 12) [30209] Re: How do you get antenna in the air?
by George Zimmerlee <geozim@atlcom.net>
- 13) [30210] Re: cw filter
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 14) [30211] N/T+ FOX tonite--Where?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 15) [30212] 97 SS CW
by Hank Kohl K8DD <k8dd@contesting.com>
- 16) [30209] Re: How do you get antenna in the air?
by "Dean T. Miller" <dtmiller@dsimnet.com>
- 17) [30209] Re: NorCal 2222 Design Notes: Mixers
by K5BDZ@aol.com
- 18) [30209] Monday night Foxii
by "Dean T. Miller" <dtmiller@dsimnet.com>
- 19) [30209] Re: How do you get antenna in the air?

by "Dean T. Miller" <dtmiller@dsimnet.com>
20) [30209] Re: N/T+ FOX tonite--Where?
by "Dean T. Miller" <dtmiller@dsimnet.com>
21) [30210] Re: cw filter
by "Dean T. Miller" <dtmiller@dsimnet.com>
22) [30210] Re: How do you get antenna in the air?
by Ed Tanton <n4xy@bellsouth.net>
23) [30211] Monday Night N/T+ Fox
by David Bixler <qrp@netins.net>
24) [30212] sweepstakes
by Rick Zabrodski <zabrodski@med.ucalgary.ca>
25) [30213] SS97 Once more!
by Monte Stark <ku7y@sage.dri.edu>
26) [30214] Re: RF Choke values
by "David D. Meacham" <ddm@datatamers.com>
27) [30215] CW SS Curse
by Joe Gervais <vole@primenet.com>
28) [30216] Re: N/T+ FOX tonite--Where?
by Dale Scott <dcscott@us.ibm.com>
29) [30216] Re: N/T+ FOX tonite--Where?
by "John E. Kemker, III" <kemkerj@xyzzzy.net>
30) [30217] Product Review: PanaVise
by n5inz@juno.com (John M Andrews)
31) [30217] Fox
by Jerrydeen@aol.com
32) [30218] Dual OP Amp Question
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
33) [30219] Re: Fox
by tahrens1@juno.com
34) [30219] Re: Attic Antennas, Continued
by Steve Galchutt <n0tu@webaccess.net>
35) [30220] Monday Night N/T+ Fox
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
36) [30221] Re: N/T+ FOX tonite--Where?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
37) [30222] Re: N/T+ FOX tonite--Where?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
38) [30223] Re: How do you get antenna in the air?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
39) [30223] How I get antennae in the air.
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
40) [30224] Re: QRP to VT
by "Pablo Robles" <wp4jxd@hotmail.com>
41) [30225] Re: How do you get antenna in the air?
by "Daniel L. Evans" <dlevans@hsonline.net>
42) [30226] How about this kind of circuit?
by JUKKA AHLGREN <JUKKAA@jypoly.fi>
43) [30227] Ceramic capacitors - what is NP0, C0G, etc.

by JUKKA AHLGREN <JUKKAA@jypoly.fi>
44) [30228] Spartan Sprint... from Tropical SE Minnesota
by W9SUL <pugrad@millcomm.com>
45) [30229] K06KA ARRL SS CW QRP
by rheiss@sprynet.com (Rob Heiss)
46) [30230] SS K0FRP
by ALK0FRP@aol.com
47) [30231] Re: Spartan Sprint... from Tropical MA !!
by Joel Malman <malman@BBN.COM>
48) [30232] Re: NorCal 2222 Design Notes: Mixers
by Chris Trask <ctrask@primenet.com>
49) [30233] Re: cw filter
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
50) [30234] SS LOGS K0FRP
by ALK0FRP@aol.com
51) [30235] Re: How do you get antenna in the air?
by Bob Hightower <ki7mn@dancris.com>
52) [30236] Re: N/T+ FOX tonite--Where?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
53) [30236] Re: N/T+ FOX I heard NOTHING
by Michael <MichaelN@cycat.com>
54) [30237] Re: CW SS Curse
by Chris Cartwright <ccart@dns.vidtel.com>
55) [30238] RE: Coax VS Ladder Line feed = and a problem
by Philip Karras 827-2956 <PXX4@CDRH.FDA.GOV>
56) [30239] Re: How do I protect my HB projects with a diode??
by Philip Karras 827-2956 <PXX4@CDRH.FDA.GOV>
57) [30239] WTB SCAF Filter
by "Larry Cruise" <Larry.Cruise@MCI.Com>
58) [30239] Re: Spartan Sprint... from Tropical SE Minnesota
by Ken LaRose <kenlar@csolve.net>
59) [30240] W5TFB SS Summary
by Jack Bryant <Jack.Bryant@math.tamu.edu>
60) [30241] SS at W1EAT
by cooper@gmpvt.com (Tom Cooper)
61) [30241] Paddle Kit Mailing
by wager@juno.com (James W. Cates)
62) [30242] FS:QRP SWAN SS-15 Transceiver
by Lee <jcs4us@cosmoaccess.net>
63) [30243] 2N2 accesories
by Steven Weber <kd1jv@moose.ncia.net>
64) [30244] Re: How about this kind of circuit?
by Steven Weber <kd1jv@moose.ncia.net>
65) [30245] 40m Condx
by Monte Stark <ku7y@sage.dri.edu>
66) [30245] Re: Coax VS Ladder Line feed = and a problem
by K5BDZ@aol.com
67) [30246] DeMaw on 2N2222

- by MNHopkins@aol.com
- 68) [30247] Re: Product Review: PanaVise
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 69) [30248] Spots Again
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 70) [30249] Re: How I get antennae in the air.
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 71) [30250] Re: cw filter
by Bob Patten <n4bp@shadow.net>
- 72) [30252] Sputnik Replica
by bcutter@teal.csn.net (Bob Cutter)
- 73) [30253] Fox alert: Thursday!
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 74) [30253] Re: Two-wire Yagi / KJ5VW Web Page
by Bill Howell <bhowell@mail.utexas.edu>
- 75) [30253] QRP-L SS Scores
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 76) [30253] Qrp calls worked in SS
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 77) [30253] Homebrewing a "Sierra"
by Al Moyle <moyle@essc.psu.edu>
- 78) [30253] QRP-L SS SCORES (1)
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 79) [30254] Re: NorCal 2222 Design Notes: Mixers
by Leon Heller <leon@lfheller.demon.co.uk>
- 80) [30253] Re: Tuthill Pines
by "Michael Connor" <mikec@primenet.com>
- 81) [30253] Re: PC board holder (was:Product Review: PanaVise)
by "Claton Cadmus" <aplitech@spacestar.net>
- 82) [30253] USECA Top 10 Again!
by "Floyd Soo, W8RO" <hires@rust.net>
- 83) [30253] Autek RF-1 "mods"
by Randy Hargenrader <randyh@harksystems.com>
- 84) [30253] Re: 2N2222 - Parallel Final Operation
by sigcom@juno.com (Stephen M Smith)
- 85) [30254] Re: Homebrewing a "Sierra"
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 86) [30255]
by Stephen Gibson <SWGibson@worldnet.att.net>
- 87) [30256] SS
by Brad Mugleston <bmug@gwl.com>
- 88) [30256] SS97 - me too
by WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
- 89) [30257] Tuthill date 1998?
by ab5uacw@juno.com (Clifton W Sikes)
- 90) [30258] 38 S parts sub
by talljazz@teleport.com (Dan Presley)
- 91) [30259] N/T FOXII NEVER HEARD!

by Ed Loranger <we6w@qsl.net>
92) [30260] Re: Autek RF-1 "mods"
by Sandy W5TVW <ebjr@worldnet.att.net>
93) [30261] 2N2 project (3)
by Steven Weber <kd1jv@moose.ncia.net>

Date: Mon, 3 Nov 1997 16:02:54 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30207] SS97
Message-ID: <Pine.SUN.3.90.971103155444.9856B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Chuck was wondering about the S&P vs RUN scores. Well, I did some checking on mine and came up with this.

381 QSO's via S*P
180 via RUNning

I will try to look at the time spent in each mode. I think the S&P will be close to 75% as a guess!

Over last years score it was like this:

64% more QSO's.
7% more multipliers.
75.43% higher score.

My goal was to beat last years score and I did that.
Also to hit 600 QSO's which I missed by 39. :-(

And to out score Chuck!! :-)

Congratulations to all that gave it a try. Be sure to send in your score.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Glenn, thanks for doing the text/graphics. I'm using a form of your circuit for IF and RF gain. PSPICE says a gain of 54 dB at 10 mhz and 40 dB at 50 mhz. Whoops, didn't really say 50 mhz. Of course these are ideal Rs, Ls, Cs and 2N2222s being simulated. The prototype circuits will probably be less.

Also want to point out that the 3.3K to ground and 20K feedback set the output DC level according to the vbe on the first 2N2222. This may be more stable vs temp and more predictable vs 2N2222 hfe than the single 150K feedback R in the audio circuit. But then the output voltage stability is not a big issue anyway. My goal for the emitter voltage on 2nd 2N2222 was 6 volts. Circuit above is simplified a little from my simulated circuit, by removal of a series tuned circuit in place of the 150pf and another in place of the .005 C.

With a little imagination, one could put xtals in place of the two series L/C tuned circuits. Well, W1FB had been there, done that, and wrote the book. Page 63, Fig 3-19-A, in W1FB's QRP Notebook, is the direction I'm going for the IF strip, along with the two transistor circuit above. A great book, a great man.

The cost for higher gain is current draw. This circuit chews up power, nearly 20 ma total. The 50 mhz unit is twice that current. This two stage DC coupled amp is described in 1971 RCA Transistor manual, page 27, as well as 1964 GE Transistor manual page 102. Odd, neither one of these

manuals include specs on the 2N2222.

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Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Mon, 03 Nov 1997 19:07:31 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: ke5tc@cwis.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30208] Re: cw filter
Message-ID: <345E6743.58B4@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Royce Rainwater wrote:

> Which would you suggest - 500 hz or 250 hz ??
> the IC706 can take only one filter. They corrected
> this in the IC706MKII.. Will the 250 be too narrow
> for qrp-cw ?

Forget the hardwired filter. Spend your money on a decent DSP unit.

Date: Mon, 3 Nov 97 06:16:17 UT
From: "chuck munce" <k0gjx@classic.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30209] RE: How do I protect my HB projects with a diode??
Message-ID: <UPMAIL05.199711040020020076@classic.msn.com>

Daniel

The purpose of the bridge is for the color blind hams or the electronically challenged :-)chuck

From: owner-qrp-l@Lehigh.EDU on behalf of W. Daniel, 9V1ZV
Sent: Monday, November 03, 1997 14:39
To: Low Power Amateur Radio Discussion
Subject: RE: How do I protect my HB projects with a diode??

On Sun, 2 Nov 97 21:58:51 UT, "chuck munce" <k0gjx@classic.msn.com> wrote:

> If you want complete protection - fit a bridge rectifier to the input.
> Then it won't matter which way you plug it in.

This offers as much protection as one in-line diode. It does however offer much more convenience, with the possibility of developing the habit of not caring which polarity you use!!! Also, with 2 diodes in line, you lose 1.4V!

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org               |
+-----+-----+
```

Date: Mon, 3 Nov 1997 19:19:57 EST
From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: D2250077@infotrade.co.uk, owner-qrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU
Subject: [30209] RE: Coax VS Ladder Line feed = and a problem
Message-ID: <39b63155.345e6a0f@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

LEN,

You didn't indicate the length of the area of concern so here are a few suggestions that may work depending the length of cable in question of chaffing.

(1) Insert in an appropriate length of small diameter hose or some cheap rubber hose you get at the hardware store.

(2) Get several rubber balls (about 1-1/2" diameter) and drill thru center and insert on coax. Space about 12-16 inches apart.

Alan KB7MBI

Date: Mon, 3 Nov 1997 16:34:25 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-1@Lehigh.EDU>

Subject: [30209] SS97 Again!
Message-ID: <Pine.SUN.3.90.971103161517.9959A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry all,

I forgot to add this to the last post:

Worked 44 QRP stations, (8%)
290 class A (150W or less) stations (52%)
227 class B (Barn burners) stations. (40%)

The precentages are rounded and are there just to give an idea of the distribution I saw.

It will be interesting to see how everyone's logs compare.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 3 Nov 1997 19:34:31 -0500 (EST)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Cc: sinned@vnet.ibm.com
Subject: [30209] DeMaw N. blanker a 50dB hit
Message-ID: <971103193049_680936287@emout03.mail.aol.com>

In my secret life, where no one knows I am G-QRP #669, I monitor the Boatanchors reflector, a 1000+ bunch of hollow state techies. There is not much of crossover interest, but look at this:

This guy, W5FRS, who was using a secret weapon noise blanker from Frank Jones, the first West Coast Hanbbook Editor in the '30s, has gone solid state for a July CQ circuit he homebrewed on his bench among the relics. I was glad to help him spread the good news:

Subj: Line noise eliminator
Date: 97-11-03 13:37:31 EST
From: sinned@VNET.IBM.COM

Sender: owner-boatanchors@theporch.com
Reply-to: sinned@VNET.IBM.COM
To: boatanchors@theporch.com (Old Tube Radios)

I have built and tested a low cost noise canceling device and will share my results with all Anchorites interested enough to read on...

The July '97 issue of CQ has one of Doug DeMaw's last projects detailed in an article, "QRN Squasher MK-III". Suffering from a noisy location myself, I bought the circuit board (\$4.50 +\$1.50 = \$6.00 to Far Circuits, 18 N. 640 Field Ct., Dundee, IL 60118-9269 USA) and built the unit.

RESULTS: The line noise during initial testing was low, so I made the "noise from hell" generator that made a continuous, visible arcing. This source wiped out all reception from broadcast through TV-VHF channels in my QTH. (XYL still mad at me for messing up her TV viewing) Using my regular flat-Vee-would-be-a-dipole-in-a-big-enough-yard ladder line fed antenna system, and a 20' noise antenna, the MK-III allowed me to copy CW signals on 80 and 40 which were TOTALLY covered by QRN without the MK-III. Receivers used were SX-122 and 2A+Q-Mult. Needless to say, I'm very happy with the MK-III.

OBSERVATIONS: The MK-III does slightly reduce the received signal level when used in a non-noise situation, however, both RX's have more than enough RF gain to compensate for this. The MK-III completely eliminated the offending noise, and I still can't believe my ears! The MK-III circuit board is small, 2.5" by 2.5" and has those tiny components that make it tedious for me (50 yr. old/wears glasses) to work on. You need a fine point soldering-pencil, but the thing is simple enough so that my first attempt worked. It uses 12VDC, and has two panel knobs to set the cancellation effect.

Entire cost would be around \$20.00 if you bought most of the tiny components. I spent much less than that. Also, the MK-III has provisions for cut-off relay for use with transceivers (sacrelige) if desired. If you want the article, fellow Anchorite and tube-converter-Guru, Michael Hopkins, AB5L, has offered to provide copies for \$1.00+SASE. He's at:

Michael Hopkins
Box 226841
Dallas, TX 75222
MNHopkins@AOL.com

73 de W5FRS
sinned@vnet.ibm.com

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Date: Mon, 03 Nov 1997 19:52:34 -0500
From: Cleve Irby <cirby@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [30209] HW-7 Manual needed
Message-ID: <345E71D2.2BD17EA2@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello group

I need a copy of the HW-7 and HWA-7-1 manuals. I am in Fort Lauderdale, FL if there is anyone in the area that has copies.

If none locally I will be more than happy to pay for the copying and shipping of the two manuals. Or, if some wants to get rid of originals I am sure we could work something out.

Thanks es 73, de Cleve NV40

Date: Mon, 03 Nov 1997 19:16:46 -0600
From: Mike Martin <mmartin@internetni.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30209] Attic Antennas, Continued
Message-ID: <345E777D.97EFE044@internetni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was wondering if anyone has successfully used 300 Ohm twinlead for feeding indoor dipoles. I don't think I have clearance for running regular ladderline from the attic.

Also, I'm in the market for a good used QRP rig. I have a Yaesu FT-470 dual-band HT that I would be willing to swap, depending on what's available.

Thanks,

Mike, KA9LYY

Date: Mon, 3 Nov 1997 17:29:29 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [30209] Re: [30152] 2 element beam reversal
Message-ID: <199711040129.RAA23342@netcom20.netcom.com>

Date: 03 Nov 1997 11:10:24 +0000
From: Dave.Ackrill@LotusXchgPG.powergen.co.uk
Another reference source for ideas on reversible beams is HF Antennas for
all Locations by L A Moxon (G6XN), published by the RSGB, pages 77 to 78.

There's a used cheap copy of this book, as well as Maxwell's
-Reflections-, available from a local bookshop in Oakland CA. Dan
Webb Books, 510-444-4572, tell him where you heard about them.

Also, the G-QRP Club Circuit Handbook has a 80 CW transceiver with a
DC RX built with all NPN transistors. It can be done.
73, doug

Date: Mon, 3 Nov 97 20:31:01 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Cc: malman@BBN.COM
Subject: [30209] QRP to VT
Message-ID: <199711040131.UAA26234@nss4.cc.Lehigh.EDU>

Group,

As I live in New England I never realized that working VT via QRP was a
problem for anyone. So folks, here is the deal (where have I heard that
before?): first or maybe second Spring QRP 'fest', be it QRP-ARCI, Spartan
Sprint, BumbleBee, Buns, etc., etc.:

I will drive the required 60 miles that will put me into VT.
The location will probably be a truck stop I know about.
I will run only QRP and will print up a special QSL, and

QSL 100% for all 2x QRP QSO's (SSB or CW).

It's time we put VT on the QRP map! Any VT QRP stations on the list care to join me? In any event, I will post to the list when/where I will be in VT.

72,

/joel wa1qvm

Date: Mon, 03 Nov 1997 20:31:40 -0800
From: George Zimmerlee <geozim@atlcom.net>
To: plquick@facstaff.wisc.edu
Cc: qrp-1@Lehigh.EDU
Subject: [30209] Re: How do you get antenna in the air?
Message-ID: <345EA52C.61D9@atlcom.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From N4XDC, George Zimmerlee in Marietta, Georgia:

The slingshot method of launching light line is very dangerous. I have a scar on my chin to testify to how dangerous this is. With a line attached, the weight is no longer free to travel freely and can strike the frame of the slingshot, rebounding into your face.

Any method which uses monofilament fishing line is also a poor idea because trees love to eat mono. I have two dozen fishing sinkers hanging in trees in my yard to attest to this fact.

The only good idea I have ever heard comes from a tree cutter who needed to attach lines to trees to pull them into a safe drop area. He uses a dense rubber ball about the size of a baseball or smaller with nylon line attached. He bores a hole through the middle of the ball to attach the line. The nylon has a breaking strength better than 50 pounds and can be used to pull up most antennas. Or in the case of the tree cutter, he pulls up 600 pound rope.

With a good throwing arm he can put the ball over tree limbs 50 feet up. Most of us will have to

swing the ball by its line through an arc to get the necessary velocity. If you miss your target, you are unlikely to do much damage. The ball has enough mass to pull the line over a limb and slide all the way to the ground without snagging. This does not happen with fishing line unless you use several ounces of lead. But then it becomes too much weight to cast very high, either with a sling or fishing rod.

Date: Mon, 3 Nov 97 17:32:51 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: ke5tc@cwis.net
Cc: qrp-1@Lehigh.EDU (qrp)
Subject: [30210] Re: cw filter
Message-ID: <9711040132.AA18062@wizard.ucs.sfu.ca>

Hi Royce,

The answer depends a lot on what you want the filter for? What type of operating do you do? My guess is that you will probably be best off with the 500hz, for reasons that the others have mentioned. I soon will have both 500hz and 250hz in my ts940. I use the 500 most of the time for general cw, but want the 250hz when I s&p during a contest.

Mention was made of audio filters. Yes they do have their place, but in heavy qrm situations they will not take the place of a good if filter. The blowby causes desensing problems etc. If you are looking to pull a weak one out of the noise in an otherwise quiet band, then the dsp will help. I have an scaf which I have not used in some time, and have used timewaves. for most of the situations I encounter, they will not do it by themselves.

cheers, Paul
ve7cqk
email: paul1@wizard.ucs.sfu.ca

>
> Hello gang:
>
> I have an Icom IC706 without a cw filter.
> Which would you suggest - 500 hz or 250 hz ??
> the IC706 can take only one filter. They corrected

> this in the IC706MKII.. Will the 250 be too narrow
> for qrp-cw ?
>
> thanks Royce KE5TC
> ke5tc@cwis.net
>
>
>
>

Date: Mon, 3 Nov 1997 20:50:20 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [30211] N/T+ FOX tonite--Where?
Message-ID: <199711032053_MC2-269B-F74D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Anybody heard N/T+ John KF4HAW tonight? Man it is a mess on there. A few very loud signals...but the winners are the SW broadcasters! Hoping to snag him tonight, but condx gotta improve in a hurry. Good luck everybody.

Now going to get ready for Sprint, but will be keeping an eye for John. Anyway, good luck everyone tonight!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/03/97 10 of 11 + 8 of 10 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 03 Nov 1997 21:03:37 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@Lehigh.EDU
Subject: [30212] 97 SS CW
Message-ID: <3.0.1.32.19971103210337.007105e8@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

	Hours of Operation:	13:46	
band	QSOs	points	
80	183	366	
40	104	208	
20	68	136	
15	26	52	

TOTAL	381	762	X 79 multipliers = 60,198

Club or Team Name: Mad River Radio Club

No beam - stuck south and didn't bother to use it!
HF6-V, low 40M dipole @ 25', 80M Zepp @ 55', GAP Voyager IV

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Mon, 3 Nov 1997 20:26:22 (-050
From: "Dean T. Miller" <dtmiller@dsmanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
plquick@facstaff.wisc.edu
Subject: [30209] Re: How do you get antenna in the air?
Message-ID: <199711040226.UAA28118@dsmanet.com>

Hi Paulette,

> Date: Mon, 3 Nov 1997 09:27:59 +0000
> From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>

> Yesterday afternoon I was trying to get my antenna installed. A female
> friend lent me her slingshot and some fishing sinkers.
> ...
> However, I would like to know from the group how you get wire antennas way
> high into the branches.

There are surely better slingshot gurus on this list than I, but I've had good success at getting wires into/over trees with one.

I use a fold-up, heavy wire slingshot to which I've attached a cheap (\$5) Zebco fly-reel using tie-wraps. You MUST use a fly-reel so the line comes out easily -- nothing else I tried worked well for long shots.

As I hold the slingshot, the reel is away from my body (and the reel can slide up and down the slingshot -- when down it's fixed in place so it doesn't flop around).

I use 20-pound monofilament line on the reel, to which I attach a brightly painted 2 oz (roughly) sinker (the kind with the built-in wire loop) using 3-foot length of 6-pound monofilament. That way if the sinker gets caught in a tree, I can pull on the line and the 6-pound stuff will break, freeing the main line. I've had to do this only once in well over 100 shots.

Wear eye protection (in case something snags) and gloves (which is easy because you want to shoot into the trees in the winter, when the leaves are off).

Shoot as straight up as possible or you'll find the line going over every limb of the tree. Going over every limb is okay if you're wanting to tie the tree down, but not so good for placing antennas.<g>

Also, shoot toward the direction you want the antenna to go, not from that direction. That is, if the antenna is to be placed between points A and B, shoot from beyond point A, over the tree and toward point B.

The main trick is to make sure the line from the reel can play out very easily without drag. Otherwise the sinker may 'bounce' back at you.

-- Dean -- from Des Moines (KB0ZDF)

Date: Mon, 3 Nov 1997 21:30:56 -0500 (EST)

From: K5BDZ@aol.com
To: leon@lfheller.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [30209] Re: NorCal 2222 Design Notes: Mixers
Message-ID: <971103130241_1245509638@emout06.mail.aol.com>

We find it's best when using DBM to put the amplification AFTER the mixer rather than before. Long story. Works best.
Bill, K5BDZ

Date: Mon, 3 Nov 1997 20:26:22 (-0500)
From: "Dean T. Miller" <dtmiller@dsmsnet.com>
To: qrp-1@Lehigh.EDU
Subject: [30209] Monday night Foxii
Message-ID: <199711040226.UAA28096@dsms7.dsmsnet.com>

Hi David,

I hear you calling on 7.111, but you can't seem to hear anyone. You have a nice, S8 signal in here.

-- Dean -- from Des Moines (KB0ZDF)

Date: Mon, 3 Nov 1997 20:46:36 (-0500)
From: "Dean T. Miller" <dtmiller@dsmsnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, geozim@atlcom.net
Subject: [30209] Re: How do you get antenna in the air?
Message-ID: <199711040246.UAA29767@dsms7.dsmsnet.com>

Hi George,

> Date: Mon, 03 Nov 1997 20:31:40 -0800
> From: George Zimmerlee <geozim@atlcom.net>

> The slingshot method of launching light line is
> very dangerous. I have a scar on my chin to testify
> to how dangerous this is. With a line attached, the
> weight is no longer free to travel freely and can
> strike the frame of the slingshot, rebounding into
> your face.

Whoa -- you NEVER have the line behind or to the side of the sling as you imply in your message -- ALWAYS HAVE THE LINE IN FRONT where it

can't come close to the frame or the sling, and always use a fly-reel or something else that can't possibly get snagged.

I've tried the throwing method and it's okay up to about 20-30 feet. Higher than that I can't do it accurately.

-- Dean -- from Des Moines (KB0ZDF)

Date: Mon, 3 Nov 1997 20:46:35 (-0500
From: "Dean T. Miller" <dtmiller@dsmnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30209] Re: N/T+ FOX tonite--Where?
Message-ID: <199711040246.UAA29764@dsm7.dsmnet.com>

Hi Doc,

> Date: Mon, 3 Nov 1997 20:50:20 -0500
> From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
>
> Anybody heard N/T+ John KF4HAW tonight? Man it is a mess on there. A
> few very loud signals...but the winners are the SW broadcasters! Hoping
> to snag him tonight, but condx gotta improve in a hurry. Good luck
> everybody.

He's down about 7.110, calling and calling -- at least between 0210 and 0245 UTC. His noise level must be very high -- and I don't hear any other hunters calling him.

-- Dean -- from Des Moines (KB0ZDF)

Date: Mon, 3 Nov 1997 20:46:35 (-0500
From: "Dean T. Miller" <dtmiller@dsmnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, henryf@quartz.gly.fsu.edu
Subject: [30210] Re: cw filter
Message-ID: <199711040246.UAA29771@dsm7.dsmnet.com>

> Date: Mon, 03 Nov 1997 19:07:31 -0500
> From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

> Royce Rainwater wrote:
>

> > Which would you suggest - 500 hz or 250 hz ??
> > the IC706 can take only one filter. They corrected
> > this in the IC706MKII.. Will the 250 be too narrow
> > for qrp-cw ?
>
> Forget the hardwired filter. Spend your money on a decent DSP unit.

I would suggest both. The 500 Hz filter really helps cut out strong, close-by signals that the DSP can't handle.

-- Dean -- from Des Moines (KB0ZDF)

Date: Mon, 03 Nov 1997 22:21:42 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: geozim@atlcom.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30210] Re: How do you get antenna in the air?
Message-ID: <3.0.1.32.19971103222142.00cafc00@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi George... in many years of using the slingshot method I have never experienced this effect... that doesn't prove it cannot happen, of course, just that perhaps I have been lucky in the dozens and dozens of times I have done this without mishap. I would suggest that either you used too heavy a line or too light a weight-or perhaps (after rereading your note) vice versa. I also reel a good bit of line off before shooting... but I didn't do that originally, and still never experienced your particular problem.

You are correct that the trees do love that mono line, but that primarily occurs when you manage to get the line into too narrow a limb-trunk vee or jerk it improperly, causing it to wrap around an obstructing limb/whatever.

I also used to use the weight-and-line toss method, until I managed to drop it on the side pillar of my BMW causing a nice little ding. Furthermore, I found that it was a great deal less accurate than the slingshot, and could not begin to reach the 50 foot heights you mention.

Before I gave up trying for the REALLY high limbs, with the small-cherry sized weights I use, it was nothing to put a line over a 100 foot tree-probably cleared the top by 30 feet or more.

As with all things of this nature, you have to do it right, and not give up

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30212] sweepstakes
Message-ID: <Pine.SUN.3.96.971103203349.2393B-100000@ume>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I noted a BIG difference in QRP participation in this years CW Sweepstakes. Having played the BIG contests a the QRP guy for the past years I remember entire weekend an not working even one other Q station and often being asked to "rpt ur prc pse" frequently. NO MORE! Many Q stations worked, many calling cq (yes RUNNING stations) and I had several runs myself on 15 and 20 meters. Work and family commitments kept me busy but put in 5 or 6 hours for 240 or so Q's, only a few on 80 and 1 on 10.

It was much, much easier to work VY1CA during the ARCI test then the sweeps! ;-)

Now, hope to see you all during the SSB version!

Dr. Rick Zabrodski MD, CCFP(EM) ACBOM * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

Date: Mon, 3 Nov 1997 19:54:44 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30213] SS97 Once more!
Message-ID: <Pine.SUN.3.90.971103194845.10380D-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

OK, so I can't figure!!

When I posted the improvment from last year, the percent figures were way off.....my first clue was that going from 342 to 561 just didn't seem like a 64% increase!! :-)

The better numbers are here:

39% more Q's
7% more multi (unchanged)
43% higher score

Again, rounded off. And I'm still feeling good about it.

I am also so glad to see that so many people gave it a try again. You people here on this list are great!

It is also nice to hear about so many of you that found it easier to copy this year than you did last year. Solid proof that getting on the air and having fun really works!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 3 Nov 1997 21:03:31 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30214] Re: RF Choke values
Message-ID: <Pine.LNX.3.91.971103205909.26903A-100000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mark,
A higher-value choke will have a lower self-resonant frequency which may cause problems. Above that frequency (up to the next resonance) the "choke" appears to be a capacitor!
72, Dave, W6EMD

Date: Mon, 3 Nov 1997 21:02:07 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [30215] CW SS Curse
Message-ID: <199711040402.VAA12418@usr03.primenet.com>

Howdy Folks,

Well nuts. Think of Dante's Inferno. Think of those eternal punishments soaked in wicked irony. That's a good starting point for imagining what my weekend was like.

Had been getting ready for CW SS for months. 40wpm code drills at the office when everyone else went home. 40wpm code on my microcassette recorder during the work commute. This was my year. Finally had a real antenna and comfortable 30wpm copy.

Along comes Friday night. Kids are done trick-or-treating (they dressed up as Darth Vader, Luke Skywalker and Princess Leia - a geek father could hardly be more proud ;-)). I blow out the pumpkins and pull down the giant spider web. Notice my throat is sore. Hmmm.

Saturday AM. Wake up. Wish I hadn't. Throat is painfully raw. Sinuses stuffed up. Head is pounding. Well heck, good thing my only plan for the weekend was sitting in front of my rig. Muddle through breakfast, then shuffle to the rig. May as well see what the bands are doing.... YYYYYEEEEEEEEAAAAAGGGH!!!

Imagine your head. Now imagine it inside a giant cathedral bell. With the resident hunchback ringing it. And he's mad. I mean *really* pissed off. The normally sweet notes of CW detonate in my skull like cluster bomblettes in a raquetball court. OWW! All I wanted to do for the next 24 hours was send/copy CW, but if I try, my brain will doubtlessly go supernova. And that'd be hard to clean off the walls.

This wasn't gonna work. *grump* *grump* Head still pounding, I mope around much of the afternoon. Still not better that evening. Or Sunday. CW SS is over. My headache isn't. Cruel, cruel Fate! WHY MUST YOU MOCK ME?!?!? (Thanks for the "get well" tree Jan!)

Finally this afternoon, my head mellowed out. Must've been the Quisp ("Quazy Energy Cereal!"(tm)) that Chris N3XRV shipped out to me. ;-)) (Thanks again dude!) Hopped onto 15m and worked Costa Rica for QRP DXCC country #24. Then hopped up to 21.060 looking for fellow QRPers. Heard Argentina on 21.061 calling CQ with no takers. Had a quick chat with Ram (short for Ramone, I suppose), then dove back down to 21.015 to work a JA.

So it's good to be back. Just bummed that I missed the Big Show. :-(Always next time, I suppose. Nice reading everyone else's reports though. Sounds like next year I'd do well to set up some wire in Nebraska. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"'Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Mon, 3 Nov 1997 23:08:44 -0500
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30216] Re: N/T+ FOX tonite--Where?
Message-ID: <5030200018607298000002L082*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

> Date: Mon, 3 Nov 1997 20:50:20 -0500
> From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
>
> Anybody heard N/T+ John KF4HAW tonight? Man it is a mess on there. A
> few very loud signals...but the winners are the SW broadcasters! Hopi=
ng
> to snag him tonight, but condx gotta improve in a hurry. Good luck
> everybody.

Hang in there David (KF4HAW). I heard you about 489 in Wa from 0230 un=
til
0300. Heard you
calling over and over and each time you paused -- wow - what a mess. T=
hen the
SW broadcasters
took over. Hope to catch you another time.

72 - dale/kc7khd

=

Date: Mon, 03 Nov 1997 23:11:03 +0000
From: "John E. Kemker, III" <kemkerj@xyzzzy.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30216] Re: N/T+ FOX tonite--Where?
Message-ID: <345E5A07.97DEEDCD@xyzzzy.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----22B2D367694417BAB755D592"

This is a multi-part message in MIME format.

-----22B2D367694417BAB755D592

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Could someone please point me to the FAQ for this list? I'd like to find out more about the N/T+ Fox stuff. Especially since I just made T+ this last Saturday. ;)

Wilford D. Lindsey wrote:

>
> Gang:
>
> Anybody heard N/T+ John KF4HAW tonight? Man it is a mess on there. A
> few very loud signals...but the winners are the SW broadcasters! Hoping
> to snag him tonight, but condx gotta improve in a hurry. Good luck
> everybody.
>
> Now going to get ready for Sprint, but will be keeping an eye for John.
> Anyway, good luck everyone tonight!
>
> 72/73,
> --Doc/K0EVZ qrp-1 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
> nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
> DXCC 56/42 <>< FOX Total 11/03/97 10 of 11 + 8 of 10 N/T+ FOX.
> -----
> Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
> Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
> SLV/W6MMA G5RV Autek QF-1 RS DSP-40
>
> "Things should be as simple as possible, but no simpler"--A. Einstein

-----22B2D367694417BAB755D592

Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"
Content-Transfer-Encoding: 7bit

Content-Description: Card for John E. Kemker III
Content-Disposition: attachment; filename="vcard.vcf"

begin: vcard
fn: John E. Kemker III
n: Kemker III;John E.
org: Tripoli Atlanta Rocketry Association
email;internet: kemkerj@xyzzzy.net
title: Prefect
note: TRA #2499, TARA #002, SMIRK #6185
x-mozilla-cpt: ;0
x-mozilla-html: FALSE
version: 2.1
end: vcard

-----22B2D367694417BAB755D592--

Date: Mon, 3 Nov 1997 22:17:54 -0600
From: n5inz@juno.com (John M Andrews)
To: qrp-1@Lehigh.EDU
Subject: [30217] Product Review: PanaVise
Message-ID: <19971103.221756.3670.0.N5INZ@juno.com>

Like many of you, I try to save a buck. I've been told I'm so tight I squeek when I walk.

Seems like PanaVise has been keeping secrets from us. I've been using less then effective jigs and cheap "third hand" junk for lack of the wish to spend it on a good PC(and other use) vise.

PanaVise has a nifty one called:

Model 201 PV Jr.

"Head rotates 360 degrees, tilts a full 210"

"Jaws are 1" wide and 2" tall with grooves to help hold work"

"Fine/Coarse adjusting knob"

Owners note: Good heavy cast base with counter- sunk holes for mounting to bench(or piece of plywood as I have done)

Good quality. American made. Small drawback: lots of plastic.

The best is yet to come.....I paid \$19.00 bucks for mine.

PanaVise Products, Inc
7540 Colbert Drive
Reno, Nevada 89511

<http://www.panavise.com>

"SASE for catalog"

Usual disclaimers- John- N5INZ

Date: Mon, 3 Nov 1997 23:27:31 -0500 (EST)
From: Jerrydeen@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30217] Fox
Message-ID: <971103232128_1702928831@emout04.mail.aol.com>

I could hear KF4HAW but he couldn't hear me. Band was noisy here tonight, and I only have inverted vee. No Fox pelt tonight!! :-)

Date: Mon, 03 Nov 1997 18:46:43 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: qrp-1@Lehigh.EDU
Subject: [30218] Dual OP Amp Question
Message-ID: <3.0.1.16.19971103184643.3c7fd08e@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Gang....this one is for the analog gurus who use a lot of op amps in their line of work (or play). I'm looking for suggestions on dual op amps that will run well off a single 8 volt supply, will accurately reproduce an input signal of 0 to 8 volts, when in a standard voltage follower configuration i.e. output connected back to inverting input, and being driven on the non-inverting input. I've tried a 5532, LM833N, and a TL082 because I had them available, and they are horrid! Don't come close to following the input until the input is half of the supply voltage. I need a good rail to rail device that can supply 10 ma output, and work well off a single supply. Any suggestions greatly appreciated.

I'll be happy to post the results back to the group if there is interest. I'll also let you know what I am working on if I can make it play like it's supposed to.

Now back to 2N2222 designing and such.....

Thanks and 72.....Jim

```
Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _\<, Mizuho 17/40 SSB
... .. (*)/(*) . . . . .
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 16 States; 23 Countries - Running 1.5 watts
Most recent - Delaware Bulgaria
```

Date: Mon, 3 Nov 1997 22:11:19 -0600
From: tahrens1@juno.com
To: Rattray@siast.sk.ca
Cc: qrp-l@Lehigh.EDU
Subject: [30219] Re: Fox
Message-ID: <19971103.223610.8542.0.tahrens1@juno.com>

Been There, Done That! ;-)

Tim W5FN

```
>become obsessed with the QRP Fox Hunts...the proof is in his
>eyes...they're starting to turn black...when they're all black, he's
>gone!
>
>...he'll leave his family, his ham shack and be doomed to a life of
>wandering the earth, zombie-like...he will seek out antennas where
>he'll disconnect the transmission lines from the antennas... he'll
>grasp
>a coax in one hand and point his other arm to outer space trying to
```

>transmit more RF energy to the black hole until one day he'll 'beam
>up'

Date: Mon, 03 Nov 1997 19:16:24 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: mmartin@internetni.com
Cc: qrp-1@Lehigh.EDU
Subject: [30219] Re: Attic Antennas, Continued
Message-ID: <345E8578.706D@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mike...I used 300 ohm twinlead for several years w/90' 'dog legged'
dipole in the attic and matched it with a lil' homebrew tuner...worked
great! By dog leg - I mean it zigged and zagged all over the attic to
make use of the limited space. The run of twinlead was about 30' to the
tuner. I loaded 80-10m on it...80 wasn't too hot but did manage to work
the east coast for a 30 min ragchew one night when cndx were good
(579!)...so I say try it u'll like it! cheers Steve

Mike Martin wrote:

>
> I was wondering if anyone has successfully used 300 Ohm twinlead for
> feeding indoor dipoles. I don't think I have clearance for running
> regular ladderline from the attic.
>
> Also, I'm in the market for a good used QRP rig. I have a Yaesu FT-470
> dual-band HT that I would be willing to swap, depending on what's
> available.
>
> Thanks,
>
> Mike, KA9LYY

--
.....Steve > n0tu . .
email:N0TU@webaccess.net
homepage <<http://www.webaccess.net/~S&P>>

Date: Mon, 3 Nov 1997 23:38:54 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:qrp@netins.net" <qrp@netins.net>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [30220] Monday Night N/T+ Fox
Message-ID: <199711032344_MC2-269B-A9FA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dave:

No luck here, either. Could not find him at the start. Finally *did* find him about 0230 and he was absolutely banging in here--579/589 solid until he quit right at 0300.

But as was true for you...he did not come back, no matter where I called him. Tried moving off-freq both up and down. Also called him dead-on. No response.

SW Broadcasters were very loud all evening---just like last night---so that could have been the problem. John is a very fine young op. So condx must have done him in. Oh well.

So go for the FOX tomorrow evening, Dave. Good luck!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 10/31/97 10 of 11 + 8 of 9 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 3 Nov 1997 23:38:45 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:dtmiller@dsmnet.com" <dtmiller@dsmnet.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30221] Re: N/T+ FOX tonite--Where?
Message-ID: <199711032344_MC2-269B-A9F6@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dean:

Yep I found him with about 30 minutes left on about 112.48 or so. He was a solid 579-589 here. Called him repeatedly for the rest of the time...some zero-beat and other times high or low. No luck. Also heard a VE calling him quite a bit away from where I was. No luck, either.

Have worked John before (10/28/97) and it went well. We have already exchanged QSL cards. So he must have had a terrific amount of QRN or QRM tonight. There *was* an incredible amount of SW Broadcast QRM...but when he was transmitting he was coming through loud and clear. Oh well.

Many thanks for this response. Always glad for the help. Good luck.
Let's go get that FOX tomorrow evening.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 10/31/97 10 of 11 + 8 of 9 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 3 Nov 1997 23:57:35 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Royce Rainwater" <ke5tc@cwis.net>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [30222] Re: N/T+ FOX tonite--Where?
Message-ID: <199711040001_MC2-269C-E18@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Royce:

Well I am glad you snagged him! You are the first guy to report success. Several say they called him forever, without success. He was 579/589 for at least during the last 30 minutes. But no luck. He is a fine young operator, so I guess condx got him.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 11/04/97 10 of 11 + 8 of 11 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 4 Nov 1997 00:21:20 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: George Zimmerlee <geozim@atlcom.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30223] Re: How do you get antenna in the air?
Message-ID: <Pine.LNX.3.95.971104002049.703F-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Exactly what I've been doing for 10 years...I use a rock and a piece of rope, and give it a good heave after tying it off well.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

On Mon, 3 Nov 1997, George Zimmerlee wrote:

> >From N4XDC, George Zimmerlee in Marietta, Georgia:
>
> The slingshot method of launching light line is
> very dangerous. I have a scar on my chin to testify
> to how dangerous this is. With a line attached, the
> weight is no longer free to travel freely and can
> strike the frame of the slingshot, rebounding into
> your face.
>

> Any method which uses monofilament fishing line is
> also a poor idea because trees love to eat mono.
> I have two dozen fishing sinkers hanging in trees in
> my yard to attest to this fact.
>
> The only good idea I have ever heard comes from a
> tree cutter who needed to attach lines to trees to
> pull them into a safe drop area. He uses a dense
> rubber ball about the size of a baseball or smaller
> with nylon line attached. He bores a hole through
> the middle of the ball to attach the line. The nylon
> has a breaking strength better than 50 pounds and can
> be used to pull up most antennas. Or in the case of
> the tree cutter, he pulls up 600 pound rope.
>
> With a good throwing arm he can put the ball over
> tree limbs 50 feet up. Most of us will have to
> swing the ball by its line through an arc to get
> the necessary velocity. If you miss your target,
> you are unlikely to do much damage. The ball has
> enough mass to pull the line over a limb and slide
> all the way to the ground without snagging. This
> does not happen with fishing line unless you use
> several ounces of lead. But then it becomes too
> much weight to cast very high, either with a sling
> or fishing rod.
>
>

Date: Tue, 4 Nov 1997 05:48:47 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [30223] How I get antennae in the air.
Message-ID: <19971104054845.AAA4425@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The following is the evolved and successful technique used by
>A A One Mizzable Yankee for all wire antenna occasions:
>
>Tools, materials:
>-----
>★ SLING-SHOT: (wider yoke is better)

```

>* SPIN-CASTING RIG: bottom half only; sized for 15 lb. test minimum.
>   Load it w/16 - 18# line. (FORGET REELS ON SLINGSHOTS!)
>* 2 oz. (min.) sinkers: tear-drop or round. Weight pulls the line
>   down thru obstinate trees. A 4 oz. sinker is self-limiting
>   to ~ 80'. 2 oz. will go at least 150' dragging 18# along.
>* Roll of strong utility line, 60 - 100 #, re-wound on a wire-spool
>   modified with axel and crank-handle. Dowells do both fine.
>* Dry-wall bucket: melt holes ~ 1" down from the top edge, sized to
>   accommodate axel of utility line spool. Bucket also holds
>   addn'l tools, spare sinkers, medication ...
>* GLOVES! Hands take a beating from pulling small line, esp.
>
>.....
>
>Techniques:
>-----
>* PRCTICE, PRACTICE, PRACTICE, PRACTICE.... BEFORE ACTUAL WORK;
>* With bucket in FRONT of you, spit on the monofilament to keep it
>   from unwinding when you open the bail; place pole in the
>   bucket so that it points AT target; open the bail.
>* Carefully balance the sinker in the sling-shot pocket, w/line
>   coming thru the yoke. (so it will leave in same direction)
>* Do a full draw, slingshot vert. and cup back to your ear. Remember
>   to let go of the sinker, NOT the slingshot. (don't laugh)
>* After shooting, you can actually get good enuff to stop the line
>   with your hand at the top of the fishrod as it passes over
>   your target, thus getting the line to drop close to the trunk
>   as opposed to far away places.
>* When the sinker comes down, bring the bucket over to it, hook up the
>   pull-line to it, (bowline knot in the lgr. line) and place the
>   spool axel thru the bucket/spool.
>* Return to the rod and reel in the line slowly at first, pulling the
>   pull line over the tree top. (small branches = strain relief)
>   The pull-line on the spool will free-wheel out of the bucket.
>* With the pull-line over the tree you're ready to pull the main
>   support rope back with a pulley at the ant. end. Of course,
>   don't forget to run the ant. or secondary support thru pulley.
>.....
>NOTES:
>-----
>* Bowline is THE knot of choice ... EXCEPT in the monofilament.
>   Easy on - easy off. Learn it... you'll love it.
>* A competent shot is able to place a sinker in a bucket at 50 feet.
>* Don't wind the monofilament too tight on the reel. It causes unruly
>   knots, kinks and mental disorders.
>* A second person helps a lot, esp. when things aren't going well.
>
That's about it. Let me know how it goes. 73 =s=

```

>
>
Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.lib.ct.us/org/cara>

Date: Mon, 03 Nov 1997 22:11:34 PST
From: "Pablo Robles" <wp4jxd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [30224] Re: QRP to VT
Message-ID: <19971104061139.14521.qmail@hotmail.com>
Content-Type: text/plain

Excellent!

Just throw in the schedule and I will surely join the fun!

Pablo
WP4JXD

>
>Group,
>
>As I live in New England I never realized that working VT via QRP was a
>problem for anyone. So folks, here is the deal (where have I heard
that
>before?): first or maybe second Spring QRP 'fest', be it QRP-ARCI,
Spartan
>Sprint, BumbleBee, Buns, etc., etc.:
>
> I will drive the required 60 miles that will put me into VT.
> The location will probably be a truck stop I know about.
> I will run only QRP and will print up a special QSL, and
> QSL 100% for all 2x QRP QSO's (SSB or CW).
>
>It's time we put VT on the QRP map! Any VT QRP stations on the list
care to
>join me? In any event, I will post to the list when/where I will be in
VT.
>
>72,
>
>/joel wa1qvm

>
>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 04 Nov 1997 01:23:07 -0500
From: "Daniel L. Evans" <dlevans@hsonline.net>
To: QRP-1@Lehigh.EDU
Subject: [30225] Re: How do you get antenna in the air?
Message-ID: <3.0.1.16.19971104012307.2d0f8828@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I prefer the ol' fishing line and bow & arrow technique. I haven't been lucky enough to need to launch anything over 60 or 70 feet, but it shouldn't be too hard. I'm no Robin Hood, but can usually hit my "target" the first shot.

I used to raise inverted V's to the top of my tower this way. (I'm allergic to heights!) Hitting the top rung of a 60' tower takes some practise!

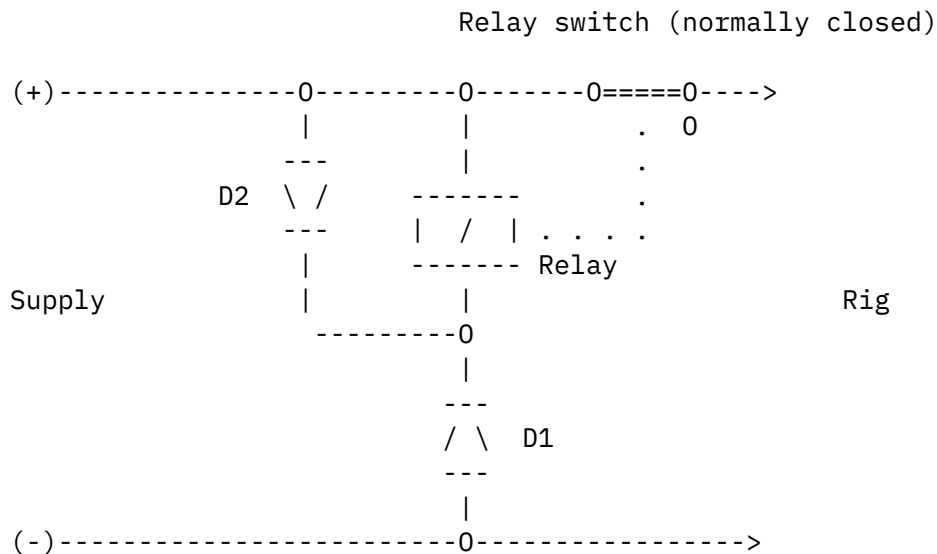
One word of caution for would be "bow launchers", be sure the fishing line will feed freely from ahead of the bow! Or better yet, use one of the bows with the fishing reel mounted on it, if you have access to one.

Good luck!

de Dan, N9RLA.....EM78
Dan L. Evans [N9RLA]
dlevans@hsonline.net

Date: Tue, 04 Nov 1997 09:04:39 +0200
From: JUKKA AHLGREN <JUKKAA@jypoly.fi>
To: qrp-1@Lehigh.edu
Subject: [30226] How about this kind of circuit?
Message-ID: <s45ee2ba.093@jypoly.fi>
Mime-Version: 1.0
Content-Type: text/plain

How about this kind of circuit?



This is a simple circuit for protecting your HB projects. There is no voltage drop or extra power consumption if the polarity is right. The relay will switch the current off when the polarity is accidentally reversed.

72, Jukka OH6SC/OH1NGF
jukkaa@jypoly.fi

Date: Tue, 04 Nov 1997 09:23:52 +0200
From: JUKKA AHLGREN <JUKKAA@jypoly.fi>
To: qrp-1@Lehigh.edu
Subject: [30227] Ceramic capacitors - what is NP0, C0G, etc.
Message-ID: <s45ee731.050@jypoly.fi>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

=09

Technical explanation (Siemens)

[illegible]

=3D=3D=3D=3D=3D=3D

CLASS 1 DIELECTRICS

The dielectric materials are defined in the IEC, CECC, EIA and MIL = standards.=20

They have almost linear temperature coefficient (TC).

C0G (NP0) capacitors

C0G capacitors belong to the class 1 dielectrics. They have a TC of=20 $(0=B130) \times 10=5E-6/K$ for a temperature range between $-55^{\circ}C$ and $+125^{\circ}C$. These capacitors are used in circuits where stability and minimum = dissipation are=20 required, e.g. in filter and resonant circuits.

Characteristics:

- No capacitance change due to aging
- Minor dissipation $\leq 0.15\%$ (at 1 MHz)
- Negligible dependence of capacitance and dissipation factor on voltage = and frequency

CLASS 2 DIELECTRICS

The dependence of the capacitance on the temperature is not linear and = their characteristics are less stable.

BX capacitors

Regarding application and capacitance on temperature, the BX capacitors = correspond to the=20 X7R capacitors. However, above the temperature range their temperature-volt=age coefficient is=20 restricted to between $+15\%$ and -25% (at the rated voltage).

X7R capacitors

They are mainly suitable for coupling and filtering where no particular = requirements as regards stability and dissipation factor are to be met.

Characteristics:

- =B115% capacitance change in a temperature range between -55°C and +125°C
- Capacitance decrease per time decade approximately 2% (aging)
- Dissipation factor $\leq 3D25 \times 10^{-5}$
- High packing density

Z50 capacitors

Mainly suitable for coupling and filtering tasks.

Characteristics:

- +22% to -56% capacitance change in a temperature range between +10°C and +85°C
- Capacitance decrease per time decade approximately 5% (aging)
- Dissipation factor: $\sqrt{30} \times 10 = 5E-3$
- Very high packing density

EIA standard

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D =09

CLASS 1=09

=09

1st symbol = 09

Value of the temperature coefficient = 5Bppm/*C=5D = 09

C=3D0,0 S=3D3,3 =09

M=3D1,0 T=3D4,7 =09

P=3D1,5 U=3D7,5 =09

$$R=3D2,2$$

=09

2nd symbol

Multiplier for the temperature coefficient = 0.9

$$0=3D-1 \quad 5=3D+1 \quad =09$$
$$1=3D-10 \quad 6=3D+10 \quad =09$$
$$2 = 3D - 100 \quad 7 = 3D + 100 \quad = 09$$
$$3 = 3D - 1000 \quad 8 = 3D + 1000$$

=09

3rd symbol

Temperature coefficient tolerance =5Bppm/*C=5D =09

G=3D=B130 L=3D=B1500 =09

H=3D=B160 M=3D=B11000 =09

J=3D=B1120 N=3D=B12500 =09

K=3D=B1250=09

=09

Example: COG states, that the capacitor is =09

made of a ceramic material with a =09

temperature coefficient of: =09

TC =3D 0,0 * (-1) =B1 30 ppm/*C =09
 TC =3D =B1 30 ppm/*C =09

CLASS 2=09

=09

1st symbol =09

Lowest temperature =5B*C=5D =09

Z=3D+10 =09

Y=3D-30 =09

X=3D-55 =09

=09

2nd symbol =09

Highest temperature =5B*C=5D =09

4=3D+65 =09

5=3D+85 =09

6=3D+105 =09

7=3D+125=09

=09

3rd symbol =09

Capacitance variation compared to the value at +25*C =5B%=5D

=

=09

A=B11,0 P=3D=B110,0 =09

B=3D=B11,5 R=3D=B115,0 =09

C=3D=B12,2 S=3D=B122,0 =09

D=3D=B13,3 T=3D+22/-33 =09

E=3D=B14,7 U=3D=B122/-56 =09

F=3D=B17,5 V=3D+22/-82=09

=09

Example: X7R is a ceramic material with a temperature

=

=09

range of -55...+125 *C; maximum capacitance change

=

=09

within this range is =B115% =09

IEC standard

----- =09

CLASS 1

=09

1st symbol =09

Temperature coefficient =5Bppm/*C=5D =09

A=3D+100 P=3D-150 =09

B=3D+30 R=3D-220 =09

C=3D=B10 S=3D-330 =09
H=3D-30 T=3D-470 =09
L=3D-80 U=3D-750 =09

2nd symbol =09
Temperature coefficient tolerance =5Bppm/*C=5D =09
F=3D=B115 K=3D=B1250 =09
G=3D=B130 L=3D=B1500 =09
H=3D=B160 M=3D=B11000 =09
J=3D=B1120 N=3D=B12500 =09

Example: CG is a ceramic material with a =09
temperature coefficient of: =09
TC=3D =B1 0 ppm/*C =B1 30 ppm/*C =09
=09
CLASS 2 =09

1st symbol =09
2 (always), states, that this is a class II =09
ceramic material
=09

2nd symbol =09
Maximum capacitance change compared to the =09
value at +20*C =5B%=5D =09
A=3D=B15 D=3D+20/-30 =09
B=3D=B110 E=3D+20/-55 =09
C=3D=B120 F=3D+30/-80
=09

3rd symbol =09
Temperature range =5B*C=5D =09
1=3D-55...+125 =09
2=3D-55...+85 =09
3=3D-40...+85 =09
4=3D-25...+85 =09
5=3D-10...+70 =09
6=3D+5...+70 =09
Example: 2F4 is a class II ceramic material, with a
=

=09
temperature range of -25...+85*C; maximum variation
=
=09
within this range is +30...-80% =09
=09
=09

Marking of the =09
temperature coefficient=09
=09

Marking Multiplier=09
 ppm/*C=09

P100 100=09
NP0 0=09
N30 -30=09
N80 -80=09
N150 -150=09
N220 -220=09
N330 -330=09
N470 -470=09
N750 -750=09
 =09

..
72, Jukka OH6SC/OH1NGF
jukkaa=40jypoly.fi

Date: Tue, 4 Nov 1997 01:11:27 -0600 (CST)
From: W9SUL <pugrad@millcomm.com>
To: "QRP-L --> Post to list" <QRP-L@Lehigh.EDU>
Subject: [30228] Spartan Sprint... from Tropical SE Minnesota
Message-ID: <Pine.GS0.3.95.971104004928.15770B-1000000@midas.millcomm.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Greetings,

To say the least conditions were "far from ideal" here in SE Minnesota.

On the bright side... I worked everybody I heard! All 6 of you!!

20 and 80 meters were waste lands... and 40 meters wasn't much better.

Of the 6 contacts (all on 40m), 3 were via CQ SP and 3 were via S & P.

My thanks to the following for digging out my signal.

KT3A (PA), W2HAG (NY), AE4IC (NC), WA1QVM (MA), K0EVZ (MN), AB7TK (ID)

Well Doc, K0EVZ, only lives less than 2 miles from me across the valley...
so we could have made contact via "flash light signals".

Rig: Ten Tec Scout at 5 watts thru an MFJ-971 QRP tuner to a temporary 51
foot dipole fed with 300 ohm TV twinlead centered off my raised deck...

probably 15 feet up. Power supply is a lawn tractor starting battery.
This rig surely should be in the "super tubby" class.

Love the QRP challenge... see you all in December

72 Dave - W9SUL

```
*****
*
* 72 / 73 W9SUL Dave Cary Rochester, MN (ex KG0ZT) *
* ARRL VE QRP-L # 979, NorCal # 1714 *
*
* pugrad@millcomm.com *
*
*****
```

Date: Tue, 4 Nov 1997 00:54:56 -0800
From: rheiss@sprynet.com (Rob Heiss)
To: 3830@contesting.com
Cc: qrp-l@Lehigh.EDU
Subject: [30229] K06KA ARRL SS CW QRP
Message-ID: <199711040854.AAA03747@m5.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Call	Section	Hours	Score	QSOs	Sections
K06KA	Santa Barbara	11	26,004	197	66

My station runs 3 to 4 watts from a QRP rig into a one-element antenna.

Band QSOs CQ/Hunt Antenna:

80m	20	1/19	inverted-L with 20 radials
40m	61	8/53	sloping dipole @ 40'
20m	59	2/57	sloping 3/2 wave wire @ 42'
15m	44	2/42	delta loop @ 35'
10m	13	2/11	sloping 6/2 wave wire @ 42'

CQ calls with no response: 181 (my average "run" rate: 12 hi hi)

Two-way QRP:
KF7MD, AC6LA, WN6W, N5TJ, AA7KF, NC7W, N0UR, K0SF, K5FO, AE0Q, W0UN

73 and thanks a bunch for all the contacts!!

Rob Heiss K06KA rheiss@sprynet.com

Date: Tue, 4 Nov 1997 04:59:32 -0500 (EST)
From: AlK0FRP@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30230] SS K0FRP
Message-ID: <971104011302_746131226@mrin43.mail.aol.com>

SS was a short sprint . My wife had trouble getting to a wedding reception and got lost, 2 hours later I was back home , then had to get her home later Sat nite ??? lost 4 plus hours of Prime Time. No way to make up for the prime time lost. I had to blow it off.

totals 4.4 hours.

80 6 Q's

40 67

20 33

15 59

49 sec 165 Q's

Not my usual but hah its only a contest. No top ten this year. Give the new guy's a slot.

Cu all in SS phone and 160m Contest (will go for QRP 160???)

Watch out for the New Colorado Snowshoe contest in December?????

Good chance for the Dipole and vertical guys to shine.

Contest season WHAT A HOBBY.

Contest Season should be after Christmas so we can try our new TOYS.

Al K0FRP

Date: Tue, 4 Nov 97 7:42:48 EST
From: Joel Malman <malman@BBN.COM>
To: pugrad@millcomm.com
Cc: qrp-1@Lehigh.EDU, malman@BBN.COM

Subject: [30231] Re: Spartan Sprint... from Tropical MA !!
Message-ID: <199711041243.HAA57706@nss4.cc.Lehigh.EDU>

Dave,

> Of the 6 contacts ...

I did not do much better! I only had 7 Q's. 20 meters was 'dead' quiet.
80 was 'open' but there was QRN to beat the band (no pun intended). That
left 40 meters as the band of choice.

My thanks to the following stations for digging out my 4w signal:

W3TS	1w	PA	80m
W6ZH	2w	CA	40m
W9SUL	5w	MN	40m
WA9REQ	100w	IL	40m
WA4AAK	1w	AL	40m
K0EVQ	5w	MN	40m
VE3ELA	3w	ON	80m

See you all next month.

/joel wa1qvm

Date: Tue, 4 Nov 1997 05:54:22 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30232] Re: NorCal 2222 Design Notes: Mixers
Message-ID: <Pine.BSI.3.96.971104055216.16863A-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Nov 1997 K5BDZ@aol.com wrote:

> We find it's best when using DBM to put the amplification AFTER the mixer
> rather than before. Long story. Works best.
> Bill, K5BDZ
>

I've been meaning to add something to this mixer discussion for
some time. If you're looking for a good linear mixer that can be used
with the 2N2222, take a look at my article in the September issue of
RF Design. The circuit is part of a pending patent, but it can be used

[illegible]

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Date: Tue, 04 Nov 1997 08:33:30 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: ke5tc@cwis.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30233] Re: cw filter
Message-ID: <345F242A.BBB25B03@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
.
> I have an Icom IC706 without a cw filter.
> Which would you suggest - 500 hz or 250 hz ??
> the IC706 can take only one filter.  They corrected
....
```

Royce,
I have an IC706 with the 250 hz filter and love it. I use my 706 mobile cw about 97% of the time. This narrow filter makes the band seem very quiet and really helps cut the qrm. I also use a tuned speaker. I take advantage of the rit.

My suggestion is to get the 250 hz filter.

73,

Tom, kv2x

Date: Tue, 4 Nov 1997 08:42:09 -0500 (EST)
From: A1K0FRP@aol.com
To: QRP-1@Lehigh.edu
Subject: [30234] SS LOGS K0FRP
Message-ID: <971104083708_1245595165@emout02.mail.aol.com>

WOW

So many QRP scores
PLEASE SEND IN YOUR LOGS . Let all know that QRP is here and we can run with
the big boys. 5 - 10 - 150- 800 Q's SEND THEM IN. Attatch your local or
distant QRP CLUB also.

A1 K0FRP

Date: Tue, 4 Nov 1997 06:59:37 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [30235] Re: How do you get antenna in the air?
Message-ID: <199711041359.GAA25804@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>At 08:31 PM 11/3/97 -0800, you wrote:

>

>> Any method which uses monofilament fishing line is
>>also a poor idea because trees love to eat mono.
>>I have two dozen fishing sinkers hanging in trees in
>>my yard to attest to this fact.

Nice, quiet wind chime (thud, thud, thud) :^)

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Tue, 4 Nov 1997 09:04:05 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "David H. Lauten" <dhlauten@juno.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [30236] Re: N/T+ FOX tonite--Where?
Message-ID: <199711040907_MC2-26AC-5F27@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

David:

Thanks for writing! Well condx were as rough as I can remember, with the SW broadcasters *booming* in here. Doubtless that was a big problem for everyone. But you were 579/589 for at least the last 30 minutes. Bottom line = so close, yet so far :-(. Oh well!

Please forgive me for getting your *name* wrong. Drat! I turned 55 last Aturday. Guess my brain aged more than expected. Will get it right next time. Speaking of which--there *will* be another FOXhunt soon. Good luck.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 11/04/97 10 of 11 + 8 of 11 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 04 Nov 1997 09:16:35 -0500
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>

Subject: [30236] Re: N/T+ FOX I heard NOTHING
Message-ID: <345F2E43.2A6C@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

70511.3041@compuserve.com wrote:

>
> Royce:
>
> Well I am glad you snagged him! You are the first guy to report success.
> Several say they called him forever, without success. He was 579/589 for
> at least during the last 30 minutes. But no luck. He is a fine young
> operator, so I guess condx got him.

Here in central Florida, I was never able to hear the FOX or any of the hunters.

I was only able to hear one CW signal in the entire novice section of 40m, near 7.146, and was never able to copy a call.

I wasn't able to hear any Spartan Sprint action down near 7.040 either.

I checked 20m and couldn't even find one station.

If David was in anything like the 'cone of silence' I was in, it is no wonder he couldn't hear anyone. :-)(

BTW I tried 2 different rigs and 3 different antennas, none could hear anything last night. This morning I am hearing LOTS of signals.

Propagation is a wonderous thing.

michael N6CHV

Date: Tue, 4 Nov 1997 10:32:25 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Joe Gervais <vole@primenet.com>
Cc: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [30237] Re: CW SS Curse
Message-ID: <Pine.LNX.3.93.971104102712.424C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Nov 1997, Joe Gervais wrote:

> Finally this afternoon, my head mellowed out. Must've been
> the Quisp ("Quazy Energy Cereal!"(tm)) that Chris N3XRV
> shipped out to me. ;-) (Thanks again dude!) Hopped onto 15m

Quisp has medicinal value? I think the price will have to go up :)
Or maybe it was just that *HUGE* sugar rush that made you "think" you felt
better. gl es 72

```
-- Chris Cartwright,   Technical Engineer   |      ccart@vidtel.com      --  
-- N3XRV      ARRL-VE   QRP WAS 27/10(w/c)   |      ccart@erols.com      --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #????? | http://dns.vidtel.com/~ccart --
```

Date: Tue, 04 Nov 1997 09:30:55 -0500 (EST)
From: Philip Karras 827-2956 <PXK4@CDRH.FDA.GOV>
To: qrp-l@Lehigh.EDU, len@infinet.com
Subject: [30238] RE: Coax VS Ladder Line feed = and a problem
Message-ID: <C92ZXCFC8M8N4*/R=FDADR/R=A1/U=PXK4/@MHS>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Len, for the coax, try tying a rope at the problem point of the coax
before you hoist it up. Then after it is hoisted pull the rope to the
tree or away from it, whichever you can manage & tie it down.

As for ladder-line underground, I've never done it. If you do this I
would imagin that the PVC would have to be on the order of 6" ID so
there is enough air space to not cause an RF connection to ground.?

Anyway, good-luck.

73 & 73 de KE3FL
Phil K

W: pxk4@cdrh.fda.gov
H: ke3fl@juno.com

Date: Tue, 04 Nov 1997 09:32:40 -0500 (EST)
From: Philip Karras 827-2956 <PXK4@CDRH.FDA.GOV>

To: qrp-1@Lehigh.EDU
Subject: [30239] Re: How do I protect my HB projects with a diode??
Message-ID: <C82ZXCFDN3KR*/R=FDADR/R=A1/U=PXK4/@MHS>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

I won't mention any names, but MFJ does the same thing with their 90xx series of rigs. I came up with a fix that works. It will blow the fuse and protect the diode. Basically the diode must be able to handle three times the current as the fuse, safely. So buying a BIG diode is a good idea.

The hook-up is as explained, but I'll give a crude ASCII picture:

```

      |--- fuse, If
      |
+-----^v^v-----*-----+
      |
      |   -----diode 3If
      |   ^
      |   |
-----*-----
-

```

I hope this helps. It's cheap & it works. MFJ used the cheap part, but not the works part. What's even worse is that the MFJ fuse is a thin PC-board trace.

I like the bridge idea & I've even used it on lower voltage stuff. But when your building a 12V radio & using batteries, a drop of even .7 volts translates into operating time lost.

73 & 73 de KE3FL
Phil K

W: pxk4@cdrh.fda.gov
H: ke3fl@juno.com

Date: Tue, 4 Nov 1997 09:39:56 -0000
From: "Larry Cruise" <Larry.Cruise@MCI.Com>

To: "'QRP-L'" <qrp-l@Lehigh.edu>
Subject: [30239] WTB SCAF Filter
Message-ID: <01BCE905.A26EA600@lcrui.se.ns.mci.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,

Anyone out there have a SCAF filter they would like to sell? Please reply direct.

Larry.Cruise@mci.com

Thanks,

-72 Larry (AA5TA)

Date: Tue, 04 Nov 1997 14:46:05 -0800
From: Ken LaRose <kenlar@csolve.net>
To: qrp-l@Lehigh.edu
Subject: [30239] Re: Spartan Sprint... from Tropical SE Minnesota
Message-ID: <345FA565.1A6@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

W9SUL wrote:

>

> To say the least conditions were "far from ideal"

They were dismal in Ontario! Not one signal on 20, S-9 static crashes on 80, & only the west to be heard on 40. Worked AA7QU, W6ZH, AB7TK there, W3TS & WA1QVM on 80... and that's it!

Seemed to be alot less participation this month - guess alot of ops were "contested out" from SS.

Next month will be better, I'm sure! See you there...

73, de Ken, VE3ELA

Date: Tue, 4 Nov 1997 09:19:40 -0600 (CST)

From: Jack Bryant <Jack.Bryant@math.tamu.edu>
To: qrp-1@Lehigh.EDU
Subject: [30240] W5TFB SS Summary
Message-ID: <199711041519.JAA26838@laplace.math.tamu.edu>

Band	Q's	Last 6 Sec Worked	Breakdown by Class:
-----	----	-----	-----
160	0	NE(!!)	
80	134	SK	59 Q
40	138	PQ	297 A
20	229	MS(!)	237 B
15	84	MAR	
10	2	AR(!)	

593 Q's, 75 sections = 88,950 points. Better than last year, but I'm sure I didn't beat last years STX winner. (About half way through he was running them on 80 and was 90 Q's ahead of me.) The new longwire and switching worked very well on 20. My next-to-last q was with NE. WY (a QRP station working big guns hunt and peck) and AK heard but not worked (nor did I chase them--too early).

-Jack W5TFB

Date: Tue, 4 Nov 1997 10:40:36 -0500
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-1@Lehigh.EDU
Subject: [30241] SS at W1EAT
Message-ID: <199711041540.KAA26278@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yo!

I got back Thurs night from a week in London, exhausted. I stayed up until after 4 AM to watch the World Series over there.

By 10PM Sat, I was too pooped to go on, so I closed my eyes and the next thing I knew it was 7AM! I put in 19 or 20 hours on the SS altogether.

There were quite a few top notch QRP ops this year, some with good signals. N5TJ was everywhere, using 2 or more radios I bet, and seemed to be in the lead.

I've come to really like CQing, at least when I'm getting answers, but it only seems to work for me on 80 and 40. Not enough antenna here on 20 and up to get

noticed, I guess. Just before I left for the UK, I tried to put up a wire beam and only succeeded in breaking my 160 to 40 wire, so I flung an inverted vee up in the trees and it worked very well.

Final tally was 484 qsos in 75 sections for 72,600 points. I heard SC, NE, VE8 and KL7 but they didn't hear me. V01G0 called me to put the first NL ever in my log. 38 Q qsos.

Next year (ha ha) I'm going to get my rest AND have some better antennas AND

Thanks, and see you on the funway,

Tom W1EAT

Date: Tue, 4 Nov 1997 06:08:23 -0800
From: wager@juno.com (James W. Cates)
To: qrp-l@Lehigh.edu
Subject: [30241] Paddle Kit Mailing
Message-ID: <19971104.071859.4342.6.wager@juno.com>

Tail ending on Doug's message, the kits are being mailed one to a box. So if you are ordering more than one, please include a label for each one, if you can. If you do not have mailing labels, don't worry about it. I will write the address. Also, because of the one per box shipping, each kit order should include the specified amount for each kit, e.g. USA, \$5.00 for one kit, \$10 for two, etc. Thank you.

I mailed 60 kits yesterday, and hope to do that many per day, and if so, then all will be in the mail this week. If I sag, then will finish over the weekend, and take the remainder to the post office next Monday. This part of the project is easy work, but a lot of steps involved. Takes time.

I will try to process all the kits in the second run, before I depart for Scotland. But, we will just have to wait and see if everything goes on schedule. Those people involved in this project have put in a lot of time and effort, and I applaud and thank them for it. What I am doing is mere grunt work, no brain power required. Just the way I like it.

Thank you all.

jim, WA6GER, for NorCal.

Date: Tue, 04 Nov 1997 07:54:31 -0800
From: Lee <jcs4us@cosmoaccess.net>
To: qrp-1@Lehigh.EDU
Subject: [30242] FS:QRP SWAN SS-15 Transceiver
Message-ID: <3.0.3.32.19971104075431.006c5a00@cosmoaccess.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Tue, 04 Nov 1997 07:51:12 -0800
>To: qrp-1@leghigh.edu
>From: Lee <jcs4us@cosmoaccess.net>
>Subject: FS:QRP SWAN SS-15 Transceiver
>
>For Sale: Swan SS-15 80,40,20,15,10 Meter transciever 15-watts input about
>9-watts ouput adjustable down... SSB/CW has CW audio filter, clean and quite
>rare... \$225.00 obo 72, Lee

- 38-Special NorCal Sierra TenTec Corsair Kenwood TS-680-S ----

You can meet me and forget me and you have lost nothing....
But if you meet Jesus and forget Him you have lost everything...

<>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <>< <><

Date: Tue, 04 Nov 1997 10:59:32
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [30243] 2N2 accesories
Message-ID: <3.0.1.16.19971104105932.2ed71330@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looks like I'm going to use up my allotment of 22 2N2's just building the basic rig and I'm sure I'm not alone. So, there is going to be a need for some optional accesories. Things like an RF power booster amp, keyer, audio filter and speaker amp to name a few. A 2N2 keyer would be an interesting project.

Maybe these "accesories" could be a sperate catagory. What do ya all think?

72N2,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 04 Nov 1997 10:08:22
From: Steven Weber <kd1jv@moose.ncia.net>
To: JUKKAA@jypoly.fi
Cc: qrp-l@Lehigh.edu
Subject: [30244] Re: How about this kind of circuit?
Message-ID: <3.0.1.16.19971104100822.2ed72516@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>How about this kind of circuit?

>

>

> Relay switch (normally closed)

[diode in series with relay, relay activates with reverse power polarity]

That circuit would work fine, provided the unit's on-off switch is off when you apply power. Otherwise, the relay may not kick in fast enough to fully protect.

If one could remeber to have the on-off switch *off* when applying power, a LED wired across the power line that lights when proper polarity is applied would give a visual indication it's safe to turn on power.
(or you could have two LED's, a green for proper polartiy, a red for reverse)

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 4 Nov 1997 07:55:58 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30245] 40m Condx
Message-ID: <Pine.SUN.3.90.971104075102.10956F-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Condx on 40m are getting good!

I called CQ this AM using 950 mW and JA8 came back and gave me a 599+ report.

I cut the power to 250 mW and he gave me a 579.

Then I went to 70 mW and he copied me at 559 with some qrm from some ssb. We chatted there for awhile and then I went back to 950 mW to keep him from having to strain.

I know how many miles TR Log says it is but I need to check another source first!

Good antennas at both ends. He had 2 ele at 100' and I have 2 ele at 85'.

All this while waiting for the signal from that 8Q7 to get better. I had to leave for work before that happened!

Oh well..... Gad, ain't this QRP stuff fun???

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 4 Nov 1997 11:01:51 -0500 (EST)
From: K5BDZ@aol.com
To: len@infinet.com, qrp-l@Lehigh.EDU
Subject: [30245] Re: Coax VS Ladder Line feed = and a problem
Message-ID: <971104105243_1303390766@emout05.mail.aol.com>

Len
FYI - using coax to augment ladder line.

When running ladderline around metal or underground, you suffer.

I suggest bringing ladder line down to the point of entry (into house or underground) and then running to parallel pieces of coax from there to the tuner. Connect the center conductors to the ladder line (one each). Solder the shields of each coax together at each end, ground the shield ONLY AT THE ANTENNA TUNER END.

Rule of thumb Impedence of coax dual line will be 2X coax impedance. I.e.
RG62 (90 ohm coax) will be 180 ohms.

If someone has to ask "what about one run of 52 ohm and another of 72 ohm?"
don't worry about the impedance. Just do it and if it works, use it. (it
will)

Good luck

Bill, K5BDZ

k5bdz@aol.com

Date: Tue, 4 Nov 1997 11:06:10 -0500 (EST)
From: MNHopkins@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30246] DeMaw on 2N2222
Message-ID: <971104090851_358934935@mrin40.mail.aol.com>

I have reissued this Norcal exercise to the best of my ability, but duty
calls me to feference this bibliographic information. If it has been
mentioned before, it deserves it agian.

DeMaw used a fistfull of 2N2222s in:

"Transmitter Fundamentals," QST, Dec. 1979 p 11

see also,

DeMaw, QRP NOTEBOOK, ARRL 1986 (the original blue cover issue), "Poor Ham's
QRP Rig," p. 30 for a variation

73 de ab5l, who feels there is little that was not writen on by the late Doug
DeMaw -- he is the logical starting place for most inquiries.

Date: Tue, 04 Nov 1997 08:17:19 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "John M Andrews"
<n5inz@juno.com>
Subject: [30247] Re: Product Review: PanaVise
Message-ID: <DKKGFKMOMOBMAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Re the Panavise, I spotted the Jr. and the regular vice with the crank out jaws at Fred Meyer last week. Same \$19 price.

I was tempted but the 'lil PC board holder developed by some members of the AZ ScQRPions is working just fine.

72,
Mike KL7IXI
Burning solder
in Vancouver

Get your free and private web-based e-mail from our new partner at <http://www.mailexcite.com>

Date: Tue, 4 Nov 1997 16:33:39 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [30248] Spots Again
Message-ID: <199711041633.QAA19163@chuck.dallas.sgi.com>

I told you they were coming.....

IV. PENTICTON 10.7 CM FLUX
OBSERVED 03 NOV 110
PREDICTED 04 NOV-06 NOV 115/120/120
90 DAY MEAN 03 NOV 088

dit dit
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Tue, 4 Nov 1997 11:24:30 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30249] Re: How I get antennae in the air.
Message-ID: <199711041627.LAA25304@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi gang,

I've used the slingshot with sinker. One of the best ways I've used is a small lead pipe elbow I bought at the hardware store with 20 lb fishing line tied. The weight is heavy enough where it comes down if caught in the ruff so to speak. I just let enough line and then some on the ground before throwing.

I used to play center field, and my arm isn't what it used to be, but hey, "us kids from Brooklyn" can still play baseball. Now when are the Dodgers coming back?

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 4 Nov 1997 11:39:38 -0500 (EST)
From: Bob Patten <n4bp@shadow.net>
To: Royce Rainwater <ke5tc@cwis.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30250] Re: cw filter
Message-ID: <Pine.SOL.3.96.971104113705.20149C-100000@goliath>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Nov 1997, Royce Rainwater wrote:

>
> I have an Icom IC706 without a cw filter.
> Which would you suggest - 500 hz or 250 hz ??
> the IC706 can take only one filter. They corrected
> this in the IC706MKII.. Will the 250 be too narrow
> for qrp-cw ?
>

Saw all your other replies which overwhelmingly recommended the 500 hz filter. I heartily agree! When I ordered my MKII a few weeks ago, I also ordered the 500 hz filter - it was the right move. If I ever fill the other filter slot, I'll get the narrow SSB filter, 1.9 khz I think...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@shadow.net
Web Page: <http://www.shadow.net/~n4bp/n4bp.htm>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 4 Nov 1997 09:48:09 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@Lehigh.edu
Subject: [30252] Sputnik Replica
Message-ID: <199711041648.JAA11103@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone heard this on the air, 145.82 I think.

72, Bob KI0G

Date: Tue, 4 Nov 1997 09:42:24 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list server" <qrp-l@Lehigh.edu>
Subject: [30253] Fox alert: Thursday!
Message-ID: <199711041742.LAA32685@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Fox alert! Fox alert! Fox alert! Fox alert! Fox alert!

Thursday Thursday Thursday Thursday Thursday

Mark your calendar for the fox:

K1MG on November 7 at 0200 to 0400 UTC

In the USA, that's next THURSDAY, November 6 at

6:00 to 8:00 Pacific
7:00 to 9:00 Mountain

8:00 to 10:00 Central
9:00.00 to 11:00.00 Eastern
Somewhere between day and night Alaska
soon Hawaii

(Boy, I hope I got that right)

Let's see how big a pileup we can make with QRP!

Since this closely follows Sweepstakes, I will set my code speed a little higher than most foxes. Feel free to send at whatever speed you are comfortable with. Try to copy my report at full speed, even if you need to hear it a few times to do so. Of course, if you ask me to QRS, I will be happy to do so. I will probably also slow it down on occasion just so no one is completely overwhelmed (other than me).

Target starting frequency is 7.037 kHz +or- QRM

If necessary (I hope), I will also call for split operation, meaning that I will ask you to reply to me up 1 kHz from my frequency. Don't worry, I will also be listening for your calls on my own frequency, and I won't penalize anyone who does so. I do want to spread out the hunters a bit, to make sure everyone can hear me and know who I am talking to.

My order for 46 more pounds of aluminum will not have arrived by Thursday, so I will be forced to rely on a less substantial combination of aluminum and copper for the antennas. However, I will be running with a full complement of filters, so even if you can just hear me, I'll do my best to hear you.

This is my first turn ever in the fox barrel, and I am excited and ready to jump in with both feet, so hit me with everything you've got. I'd like everyone on QRP-L to be there.

Mike K1MG

Date: Tue, 4 Nov 1997 11:35:15 -0600 (CST)
From: Bill Howell <bhowell@mail.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [30253] Re: Two-wire Yagi / KJ5VW Web Page
Message-ID: <199711041735.LAA28121@mail.utexas.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gary R. Hanson Wrote:

Hey gang,

I've missed the original posting on the two element wire yagi's, but I built a "mini" version, two element wire yagi for 20 meters. It uses mid-element inductive loading coils and "shortented elements. You can see a brief description on my web page, pictures and SWR chart included.

<http://uts.cc.utexas.edu/~hansong/>

If you have trouble accessing his page, try:

<http://uts.cc.utexas.edu/~hansong/> 8^) 8^) 8^)

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
N5AL0 QRP-L #415

Date: Tue, 04 Nov 1997 17:04:12 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [30253] QRP-L SS Scores
Message-ID: <3.0.16.19971104165814.301fecb4@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If you're a qrp-l member and operated qrp (class Q) in the ARRL CW Sweepstakes, send me a note with your claimed score, number of qso's and multipliers, and I'll put a list together.

In the Subject: line, put QRPLSS, followed by your call, so my mail filter will sort it out for me.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Tue, 04 Nov 1997 17:04:09 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Subject: [30253] Qrp calls worked in SS
Message-ID: <3.0.16.19971104164201.2f9f9546@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

N5RZ,N0ZA,N7ML,N5TJ,KC1F,W0UN,W5TFB,N4ROA,AD8J,
WD8O,N1TM,W4DEC,AA0W,W2CS,W8RU,K3CR,N4UW,
AE0Q,W9IK,N0UR,KG5U,AA7KF,K7MM,K2PTS,KJ3V,N3ZZ,
N0AX,N8ET,KF7MD,NC7W,KE0UI,K5FO,KA10.

Thanks for keeping my little runs alive guys!
...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Tue, 04 Nov 1997 13:11:42 -0500
From: Al Moyle <moyle@essc.psu.edu>
To: qrp-1@Lehigh.EDU
Subject: [30253] Homebrewing a "Sierra"
Message-ID: <3.0.32.19971104131142.005b3bc0@pop3server.essc.psu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I have a question for all of the Sierra owners out there ... but, first a little background.

A little while back I was looking for a project to test out a construction technique that I saw in an article in CQ. The idea is to use Radio Shack project boards and to "improve" the ground and B+ runs using copper foil tape. I had just bought the '96 Handbook (that should tell you something about how long this project has been in the works!) which features the NorCal Sierra on its cover. So, I decided to build a Sierra ... but, in order to keep things simple, I built a single band version (that's why I put Sierra in quotes in the subject line) for 80 meters. I like to think of it as the SBS-80 ... Single Band Sierra for 80 m.

The first task was to build the VFO and pre-mix oscillator. This went together very nicely and the results were fantastic ... very stable, even though I used a 6 mix toroid instead of the 7 mix called for in the parts list.

Next I got the transmitter up and running. That went pretty well too, although I think I will mess around with it a bit more ... I'll probably try to modify the final and low pass filter to give 4 to 5 watts of output.

Recently, I got around to working on the receiver. I matched up a set of crystals for the filter and built the IF strip and the audio amplifier. It's really a nice sounding receiver ... very sensitive and plenty of audio.

Now we come to the problem and the questions. The only annoying thing I've found so far is a single loud birdie. This birdie occurs when the VFO is tuned to 3.014 MHz ... this is equivalent to an RF input to the receiver of 3.571 MHz. I should also point out that I've already done the mod that Wayne suggested last December (moving D8's anode to the junction of L7 and C56). A little messing around with W7ZOI's SPURTUNE program suggested a couple of likely suspects ... 5xVFO - 11.5 MHz (5th harmonic of the VFO - the fundamental of the PMO crystal for 80 m) which produces output at 3.571 MHz. Or 2xPMO crystal - 6xVFO (2x11.5-6x3.014) which produces output at the IF (4.915 MHz).

Now the questions.

To all of the NorCal/Wilderness Sierra owners out there who also happen to own an 80 m band module ... do you have a birdie when the rig is tuned to 3.571 MHz and would you classify it as strong or weak? I'm asking this because if it is there in the real Sierra built on a real, etched board then it would seem reasonable to expect a problem in my home brew rig with all of its long connecting wires.

Does the above analysis of the source of the birdie seem reasonable? Which one is the more likely culprit?

Finally, is there anything I can do to beat it down? I've tried moving and

re-routing connecting wires and adding shielding between the board which carries the VFO and PMO and the one which has the IF strip and audio amp. Nothing seemed to help much.

Any ideas would be much appreciated.

73,
Al N3KFL

Date: Tue, 04 Nov 1997 17:04:15 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [30253] QRP-L SS SCORES (1)
Message-ID: <3.0.16.19971104170121.2f9f76b4@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

call	score	qso	mlt
AE0Q	87,756	618	71
KU7Y	86,394	561	77
W3EAX	81,300	542	75
KX7L	60,680	410	74
K10J	29,920	220	68
K4WZ	23,240	166	70
VE7CQK	18,000	150	60
WP4JXD	13,300	133	50
W1PA	10,528	112	47
AA1IK	4,880	61	40

K5FO ?
AE4IC ?
WA1QVM ?
N4ROA ?

If you're a qrp-l member and operated qrp (class Q) in the ARRL CW Sweepstakes, send me a note with your claimed score, number of qso's and multipliers, and I'll put a list together.

In the Subject: line, put QRPLSS, followed by your call, so my mail filter will sort it out for me.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Tue, 4 Nov 1997 04:30:44 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: K5BDZ@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [30254] Re: NorCal 2222 Design Notes: Mixers
Message-ID: <Bf7UhHA0TqX0EwQC@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <971103130241_1245509638@emout06.mail.aol.com>, K5BDZ@aol.com
writes
>We find it's best when using DBM to put the amplification AFTER the mixer
>rather than before. Long story. Works best.
>Bill, K5BDZ

I thought that was what I said - use the amplifier as a broad-band
termination for the mixer!

Leon

--
Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a
low-cost reconfigurable computing module using the XC6216 FPGA

Date: Tue, 4 Nov 1997 11:39:12 -0700
From: "Michael Connor" <mikec@primenet.com>
To: <bkassel@dancris.com>
Cc: "QRP List" <qrp-1@Lehigh.edu>
Subject: [30253] Re: Tuthill Pines
Message-ID: <01bce950\$f2381b30\$202144c6@mike.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

Brian and group,

>Let's see, no one else has ever done it, and it's fun
>and it's totally new... yea, perfect ScQRPion project,
>it fits all of the rigid requirements!

>

>I vote we do it.

>

>Will Mike C. be the organizer-chairperson of this event?

Huh, that'll learn me to voice an idea.:-)

Yea, if you guys think it would be a good thing, I'll be happy
to head it up. What does everyone else think?

Yay? Nay? Input?

Mike

NQ7K

Date: Tue, 4 Nov 1997 11:49:30 -0600

From: "Claton Cadmus" <aplitech@spacestar.net>

To: <kl7ixi@mailcity.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [30253] Re: PC board holder (was:Product Review: PanaVise)

Message-ID: <199711041904.NAA09381@webster.spacestar.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Mike, care to elaborate???? If it was posted before, I must have missed =
it. But I, and I assume others, would be interested in the details.

| I was tempted but the 'lil PC board holder developed by some =
members of the

| AZ ScQRPions is working just fine.

Thanks,

73 de KA0GKC Claton Cadmus

E-mail cla@spacestar.net

If you live in Minnesota check out this webpage!
<http://www.qsl.net/mnqrp>

Date: Tue, 04 Nov 1997 14:19:04 -0800
From: "Floyd Soo, W8RO" <hires@rust.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30253] USECA Top 10 Again!
Message-ID: <345F9F58.13A4@rust.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

USECA's QRP/battery Field Day efforts resulted in another Top 10 OVERALL finish! USECA placed 5th overall in North America in the 1997 Field Day! QRP does it again! Last year's 4th Overall finish and this year's 5th overall finish have been the best results ever for USECA. QRP obviously works well!

I won't bore you all with details, if anyone wants more info, please contact me.

72,
Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Net Manager and Board Member, Collins Collectors Association (#002)
QRP-L #392
hires@rust.net
<http://www.rust.net/~hires>

Date: Tue, 04 Nov 1997 14:49:21 -0500
From: Randy Hargenrader <randyjh@harksystems.com>
To: qrp-l@Lehigh.EDU
Subject: [30253] Autek RF-1 "mods"
Message-ID: <345F7C09.741@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1)After a recent trip when the RF-1 was packed with some other stuff I noticed the battery was run down. The On/Off push button is just way too "sensitive" for my tastes. I'm tired of buying batteries

for it, too! Here's the fix. Take a small pair of diagonal cutters and reach in as far as you can from the front and snip off the post of the push-button. Practically speaking you will end up with the post nearly flush with the front of the case. You can easily hit the post with your finger or finger nail to turn it on and off.

2)I use my RF-1 to check the value of caps and inductors when homebrewing.

Especially when I'm winding a toriod or modifying a choke. I built two alligator clips to sample the parts. One alligator clip is attached to the center of a banana plug by a screw and the other is attached to a nut that allows the alligator clip to be screwed onto the tip of a screw that is sticking out of the case below the so-239 jack. The nut is soldered to the alligator clip.

The banana plug "clip" is poked into the center hole of the so-239 jack. The screw allows the alligator clip to swivel to connect to different size parts.

To test a part I only have to clip it to each lead - hands free!

3)The knobs on the RF-1 are connected to some pots that *seem* flimsy, not to mention that the adjustments can be touchy. I firmed up the "feel" of these pots by loosening the set screws on the knobs and pushing the knobs against the case and re-tightening. Now with the additional friction and support of the case face, the feel is improved.

--

73, Randy WJ4P

Knightlites QRP-L #296

Date: Tue, 04 Nov 1997 15:03:26 EST
From: sigcom@juno.com (Stephen M Smith)
To: qrp-l@Lehigh.EDU
Subject: [30253] Re: 2N2222 - Parallel Final Operation
Message-ID: <19971104.120652.8351.0.sigcom@juno.com>

On Sat, 1 Nov 1997 11:55:12 -0600 Ed Manuel <n5em@flash.net> writes:

>Gang,

>

>Someone mentioned an old article about using multiple 2N2222s in a
>final amp.

>

>Check out SPRAT #51, Summer, 1987 page 11-12 for an article by Doug
>DeMaw.

<snip>

>Ed, N5EM

>n5em@flash.net

>

Does someone have a copy of this that they could send to me? Please respond off list. TIA

73.....Steve, WB6TNL

Date: Tue, 4 Nov 1997 13:57:00 -0600

From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>

To: moyle@essc.psu.edu, qrp-1@Lehigh.EDU

Subject: [30254] Re: Homebrewing a "Sierra"

Message-ID: <M268712.019.5456d.1.971104211030Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Al:

One thing that will help is the use of series tuned circuits to ground. Try this at the output of the filter of the mixer that appears to be producing the problem. Odd order harmonics should be much worse than even order harmonics. I would think the product of two even order harmonics should be fairly weak. I would vote for using a 3.571 MHz series trap in the receiver injection chain.

I have used this trick before to get rid of IF frequency front end bleed through (like 5 MHz WWV or 6.179 MHz BBC). However, it is not pretty. I have found it much easier to move to another VFO/IF combination.

By the way, if this is just a mono-band rig, you don't need the double conversion stuff that the Sierra uses for receiver injection. You could use an 8 MHz IF with a 4.5 MHz VFO and eliminate one mixer, its associated filter, and the additional potential birdies.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

>A little messing around with W7ZOI's SPURTUNE program suggested
>a couple of likely suspects ... 5xVFO - 11.5 MHz (5th harmonic of
>the VFO - the fundamental of the PMO crystal for 80 m) which
>produces output at 3.571 MHz. Or 2xPMO crystal - 6xVFO
>(2x11.5-6x3.014) which produces output at the IF (4.915 MHz).

>Finally, is there anything I can do to beat it down? I've
>tried moving and re-routing connecting wires and adding
>shielding between the board which carries the VFO and PMO

>and the one which has the IF strip and audio amp. Nothing
>seemed to help much.

>Any ideas would be much appreciated.

>Al N3KFL

Date: Tue, 04 Nov 1997 13:53:36 -0500
From: Stephen Gibson <SWGibson@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Message-ID: <19971104213214.AAA843@DEFAULT>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Cleaning house so the following must go, with regret:

1. Ten-Tec HF VHF SWR/RF Watt meter Model 1202. Assembled and working. \$60.00
2. NorCal 40A 40 meter QRP transceiver assembled together with the KC-1 Keyer and Frequency Counter Kit not, and I repeat NOT, installed. \$60.00
3. NorCal SST 20 meter transceiver assembled. \$60.00.

The 40A and the SST have been vetted by Wilderness Radio to correct my ineptness with the soldering iron.

All will be shipped via USPS.

Steve, WB4NBI

Date: Tue, 4 Nov 1997 14:17:23 -0700
From: Brad Mugleston <bmug@gw1.com>
To: "'cw'" <cw@qth.net>, "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [30256] SS
Message-ID: <01BCE92C.5FEE0B00@pps-pc10.gw1.com>
Content-Type: text

Well it was my first SS. And I have the following feelings.

I got to work about 4 hours over the two days. I fit it in when I could.
I used my Explorer II to my delta loop. Made 6 contacts in 6 sections.

Per trying to copy W1AW I can copy 10 wpm w/o a problem 13 is about 90% and it seems to drop off fast after that. So I had to really spend some time listening to the exchange before I sent my call back. That way I knew what I was going to get in exchange, even the sequence number.

I was surprised, the operators didn't have near the ears the Hounds and Foxes have, conditions were a lot better but people didn't spend the time to listen.

Over all it was fun, I tried to get my son interested but after about an hour of no one coming back to him he lost interest. Working QRP and knowing that the person on the other end is really the one working, what would we have to do to give EXTRA points to the person that worked a QRP station. That way the guys with max power and fantastic aluminum would listen for the little signal.

I will have to do it again next year. Need to really practice my code first and see if there is some way to work more hours into my free time (I had to get up early both Saturday and Sunday so no staying up late to play radio).

It was fun, but I like the FOX better.

de KB0ROL, Brad

Date: Tue, 04 Nov 1997 21:43:24 -0800
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
To: qrp-l@Lehigh.EDU
Subject: [30256] SS97 - me too
Message-ID: <3460077B.772@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

84 Q's and 49 sections....log will go in with the PR, VI, and PAC Q's. Some very nice QRO-B folks stuck with it to dig me out; probably for my rare and valued STX section, I guess :).

--
73,
Jack / Houston / WA8GHZ /5

"I know the guy who built my radio."

Date: Tue, 04 Nov 1997 16:57:35 EST
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-1@Lehigh.edu
Subject: [30257] Tuthill date 1998?
Message-ID: <19971104.155137.4855.2.ab5uacw@juno.com>

Any of the Arizona contingent know the dates yet? I'm trying to make some early plans, and don't want to run into any conflicts with OKC Ham Holiday. Any help greatly appreciated.

72, Clif

Clifton Sikes AB5UA
Earlsboro, Ok.
ab5uacw@juno.com

Date: Tue, 4 Nov 1997 14:47:13 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-1@Lehigh.EDU
Subject: [30258] 38 S parts sub
Message-ID: <v0153050fb085553e5724@[206.163.123.73]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've aquired a 38 kit , and need to supply some missing parts.In particular, the .1mfd caps (14) are gone-I have some tantalum .1's, and wondering if I can sub these OK-original calls for a mica axial/radial type; not sure of the voltage rating.
Dan N7CQR

Date: Tue, 04 Nov 1997 14:49:47 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30259] N/T FOXII NEVER HEARD!

Message-ID: <345FA68B.2522@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Abandonment. That's what I felt....

With computer down since Friday night, and only just now
up and running.. I have to say -- I missed you all!

Gary, AB7MY clued me in last night during the Spartan Sprint.
I asked if anyone had heard the N/T foxii. No go here. Only
a 1615 UTC CQ between W7QQQ and a 2nd party was heard at my QTH the next
morning. This helped me keep the faith that QRP-L'ers actually work on
the radio too!! Jack's QRG was 7050 KHz.

Am I the only one on 7040? Ok. I'm crying. But I missed
you all terribly. Hope to hear the Fox tonight. And it is
Jack! I know I can hear him but he QRT quickly after his ragchew.

Never Heard Alan, KB7MBI. Listened for 3 hours. Heard David
KF4HAW, finally with about 18 minutes to go. Window
of opportunity was about 2 minutes. Gone forever. David
sent KF4Hey, both brain spheres of mine held a meeting
on this and decided that .-.- (ey) can also be .-.- (aw).
So, if he sends that way, he knows he was hrd in CA at QRP
levels. Otherwise it was someone else.....

Oh, listened for 3 hours cuz, when you're cut off from qrp-l
you "might miss starting time changes..." Maybe called
qrt due to the long 'SS' contest.....

Heck, I didn't know a thing, and then couldn't even get
my pal alan, KB7MBI from WA.

I'm getting hungry for some cookies! Keep the recipe
warm for me Alan.

-Ed Loranger,we6w

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Tue, 4 Nov 1997 22:47:43 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: randyh@harksystems.com, qrp-1@Lehigh.EDU
Subject: [30260] Re: Autek RF-1 "mods"
Message-ID: <19971104224736.AAC7806@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:49 PM 11/4/97 +0000, you wrote:

>3)The knobs on the RF-1 are connected to some pots that *seem*
>flimsy, not to mention that the adjustments can be touchy. I firmed
>up the "feel" of these pots by loosening the set screws on the knobs
>and pushing the knobs against the case and re-tightening. Now with the
>additional friction and support of the case face, the feel is improved.

>--

>73, Randy WJ4P

>Knightlites QRP-L #296

>

>

I did something slightly different. I took off the knobs, made two little discs of green baize felt about 1/16" thick with 1/4" holes in the center. Put these between the knobs and the panel and it takes the wobble out of the shafts and improves the "feel". Now if I could only have a BETTER variable capacitor in the thing! Other than it's propensity to eat 9 v. batteries and the crappy variable, it is a GREAT INSTRUMENT!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

860 Hartley 'ECO' under construction**
*** Looking for a TRC-10 transceiver *****
*** looking for an RAL receiver *****

Date: Tue, 04 Nov 1997 18:13:12
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [30261] 2N2 project (3)
Message-ID: <3.0.1.16.19971104181312.26bf74f6@mailhost.ncia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy 2222'ers

Making some progress here up in the woods. Got the Tx portion up and running today, getting a good 400 mw out of a single 2N2.

Here's my line up, a single ended mixer to combine the 11.5 Mhz VFO with a 4.433 Mhz BFO. I'm using 10.7 Mhz IF cans, padded down to 7 Mhz for the output of the mixer and two more for a bandpass filter. These would also work well on 30 M. A cascode amp, with a tuned output provides 10 mw of drive. The PA has a 51 ohm R from base to ground, a 4.7K from base to collector for bias and negative feedback and a 1 ohm, bypassed on the emitter for thermal stability. I adapted a small, but hefty, aluminum T0-220 heat sink to fit over the can of the to-18 2N2 for a heat sink. (reamed out the screw hole) Keeps it good and cool.

Just need to finish up the pc board layout for the Rx, figure out a few more details, box it up and see if it will make some Q's, maybe this weekend. Then I'll have to try and remeber what I was suppost to be doing all week, before I got side tracked on this project, hi.

72N2,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

End of QRP-L Digest 899

